ATM-1022 Mechanical Workshop

Module 6

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade & Section: \_\_\_\_\_\_\_

**Question 1: Fill in the blanks.**

|  |  |  |  |
| --- | --- | --- | --- |
| Twist drill | Drift | Drilling | Vices |
| Straight | Drill gauges | Friction | Hardness |
| Tapered | Cutting tool | material | Speed |
| Harder | Softer | Chuck |  |

1- \_\_\_\_\_\_\_\_\_\_ is used to create round holes

2- The most common tool used to cut a hole is the \_\_\_\_\_\_\_\_\_\_.

3- Most of small drills up to 13 mm in diameter have \_\_\_\_\_\_\_\_ shanks.

4- Most drills more than 13 mm in diameter have \_\_\_\_\_\_\_\_\_\_ shanks.

5- \_\_\_\_\_\_\_\_\_ are used to determine and check the drill diameters

6- The \_\_\_\_\_\_\_\_ is mainly used for drills with straight shanks.

7- The drill is locked in the spindle with \_\_\_\_\_\_\_ and is removed from the spindle by using a \_\_\_\_\_\_\_\_.

8- \_\_\_\_\_\_\_\_ are used to hold the work piece during the drilling process.

9- The \_\_\_\_\_\_\_\_\_ are used to hold a round work piece.

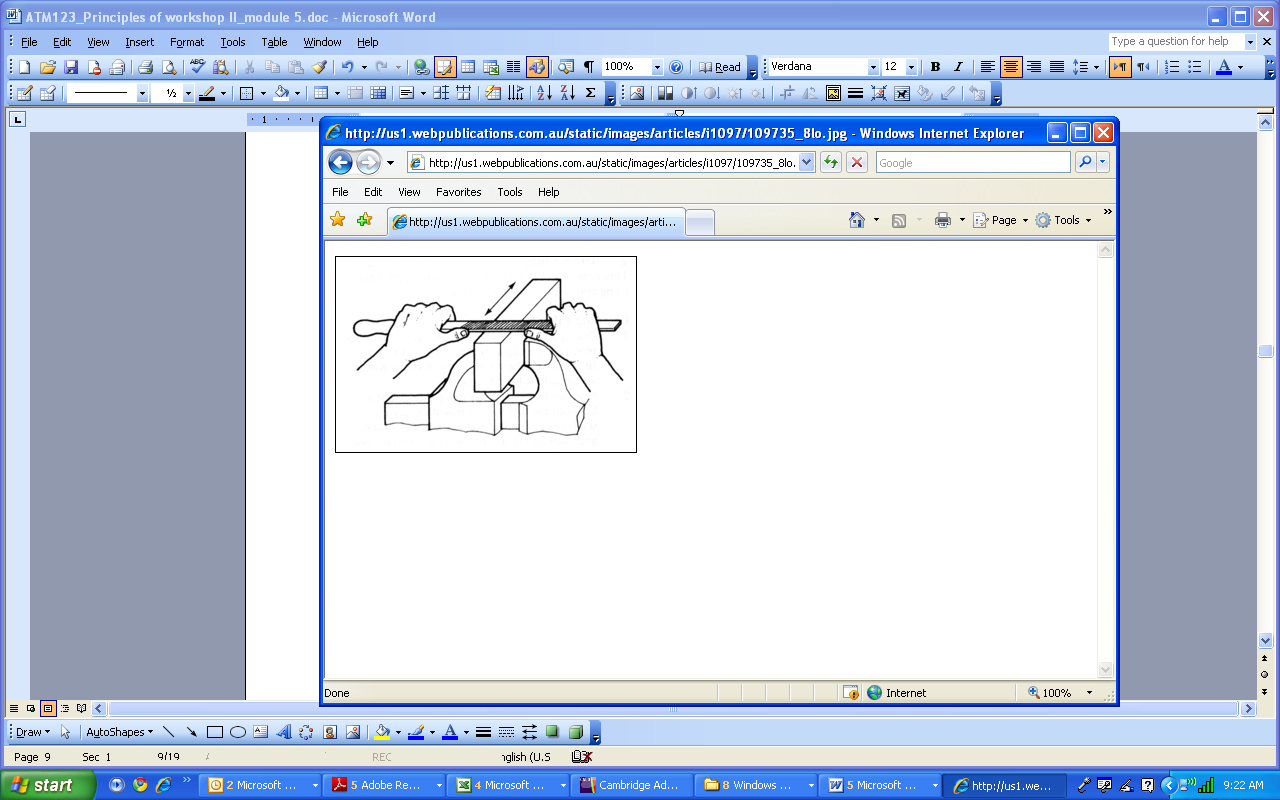
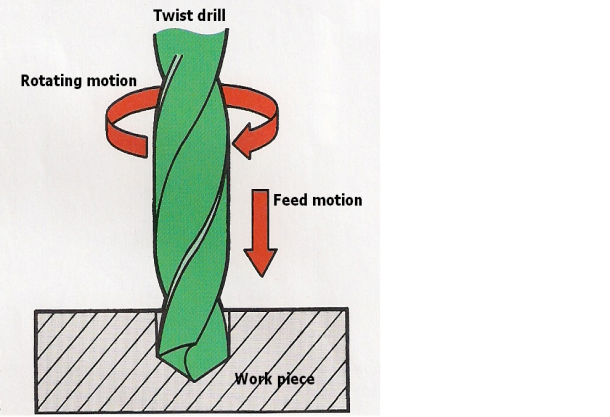
10 - Cutting speeds depend on the type of \_\_\_\_\_\_\_\_ and the type of \_\_\_\_\_\_\_.

11- \_\_\_\_\_\_\_\_\_\_\_\_ has a great impact on selecting the cutting speed.

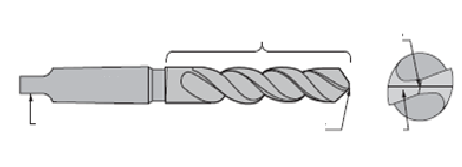
12- The \_\_\_\_\_\_\_\_ the work material, the slower the cutting speed.

13- The \_\_\_\_\_\_\_ the work material, the faster the cutting speed.

**Question 2: Name each figure.**

 **A B C**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**Question 3: Name the parts of twist drill illustrated bellow:**

**Question 4 : Name the parts shown by the arrows.**



**Question 5: Identify the following objects and their usages**

|  |  |  |
| --- | --- | --- |
| **Name** | **Usage** | **Figure** |
|  |  | 5 |
|  |  | 3 |
|  |  |  |
|  |  | scan0033 |
|  |  |  |
|  |  |  |

**Question 6: Write (T) for True and (F) for False sentences.**

|  |  |  |
| --- | --- | --- |
| No. | **Statement** | **T / F** |
| 1 | The most common tool used to cut a hole is the twist drill. |  |
| 2 | The twist drill is made of Aluminum |  |
| 3 | Most of small drills up to 13 mm in diameter have tapered shanks. |  |
| 4 | Most of small drills up to 13 mm in diameter have straight shanks. |  |
| 5 | Most drills that are larger than 13 mm are tapered. |  |
| 6 | Most drills that are larger than 13 mm are straight. |  |
| 7 | drill gauges are used to determine and check the drill diameters |  |
| 8 | Chuck is mainly used for drills with tapered shanks |  |
| 9 | Chuck is mainly used for drills with straight shanks |  |
| 10 | Vises are used to hold the drill twist |  |
| 11 | Vises are used to hold the work piece |  |